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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/042,746

DATE: 03/21/2003  
TIME: 14:30:58

Input Set : N:\CrF3\RULE60\10042746.RAW.txt  
Output Set: N:\CRF4\03212003\J042746.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

(i) APPLICANT: Buckner, Daniel J.  
(ii) TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE 2 AND ITS THERAPEUTIC  
USE

11 (iii) NUMBER OF SEQUENCES: 4

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Pinnis & Edmonds LLP  
15 (B) STREET: 1155 Avenue of the Americas  
16 (C) CITY: New York  
17 (D) STATE: New York  
18 (E) COUNTRY: USA  
19 (F) ZIP: 10036-4711

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk  
23 (B) COMPUTER: IBM PC compatible  
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/10/042,746

C--> 29 (B) FILING DATE: 20-Nov-2002

W--> 34 (C) CLASSIFICATION: 514

31 (vii) PRIORITY APPLICATION DATA:

32 (A) APPLICATION NUMBER: US/08/632,533

33 (B) FILING DATE: 12-APR-1996

35 (viii) ATTORNEY/AGENT INFORMATION:

36 (A) NAME: Friebel, Thomas E.

37 (B) REGISTRATION NUMBER: 29,258

38 (C) REFERENCE/DOCKET NUMBER: 8607-004

40 (ix) TELECOMMUNICATION INFORMATION:

41 (A) TELEPHONE: (1212) 730-9090

42 (E) TELEFAX: (1212) 809-8864/9741

43 (2) INFORMATION FOR SEQ ID NC: 1:

44 (i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 37 amino acids

46 (B) TYPE: amino acid

47 (C) POLYMER: unknown

48 (D) TOPOLOGY: unknown

49 (ii) MOLECULE TYPE: peptide

50 (iii) FEATURE:

51 (A) NAME/KEY: Modified-site

52 (B) LOCATION: 1

53 (D) OTHER INFORMATION: /note= "An amino acid selected from His,

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60 Arg, or Lys. Xaa may or may not be present in the sequence."

62 (ix) FEATURE:

63 (A) NAME/KEY: Modified-site

64 (B) LOCATION: 2

65 (D) OTHER INFORMATION: /note= "An amino acid selected from His,

66 Arg, or Lys. Xaa may or may not be present in the sequence."

68 (ix) FEATURE:

69 (A) NAME/KEY: Modified-site

70 (B) LOCATION: 15

71 (D) OTHER INFORMATION: /note= "An amino acid selected from Met,

72 Leu, Ile, Val or Cys."

74 (ix) FEATURE:

75 (A) NAME/KEY: Modified-site

76 (B) LOCATION: 17

77 (D) OTHER INFORMATION: /note= "An amino acid selected from Ala,

78 Ser, Thr, Pro, Gly, Asn, Asp, Glu or Gln."

80 (ix) FEATURE:

81 (A) NAME/KEY: Modified-site

82 (B) LOCATION: 17

83 (D) OTHER INFORMATION: /note= "An amino acid selected from Ala,

84 Ser, Thr, Pro or Gly."

86 (ix) FEATURE:

87 (A) NAME/KEY: Modified-site

88 (B) LOCATION: 17

89 (D) OTHER INFORMATION: /note= "An amino acid selected from His,

90 Arg or Lys."

92 (ix) FEATURE:

93 (A) NAME/KEY: Modified-site

94 (B) LOCATION: 19

95 (D) OTHER INFORMATION: /note= "An amino acid selected from Met,

96 Leu, Ile, Val or Cys."

98 (ix) FEATURE:

99 (A) NAME/KEY: Modified-site

100 (B) LOCATION: 30

101 (D) OTHER INFORMATION: /note= "An amino acid selected from Asn,

102 Asp, Glu, Gln, His, Arg or Lys."

104 (ix) FEATURE:

105 (A) NAME/KEY: Modified-site

106 (B) LOCATION: 30

107 (D) OTHER INFORMATION: /note= "An amino acid selected from His,

108 Arg or Lys. Xaa may or may not be present in the sequence."

110 (ix) FEATURE:

111 (A) NAME/KEY: Modified-site

112 (B) LOCATION: 37

113 (D) OTHER INFORMATION: /note= "An amino acid selected from His,

114 Arg or Lys. Xaa may or may not be present in the sequence."

116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

W--> 120 Xaa Xaa His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Xaa Leu

121 1 5 10 15

**RAW SEQUENCE LISTING**  
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Input Set : N:\Crf3\RULE60\10042746.RAW.txt  
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132 Asp Xaa Leu Ala Xaa Xaa Asp Phe Ile Asn Trp Leu Xaa Xaa Thr Lys  
 133 20 25 30  
 134 Ile Thr Asp Xaa Xaa  
 135 30  
 136 (2) INFORMATION FOR SEQ ID NO: 2:  
 137 (i) SEQUENCE CHARACTERISTICS:  
 138 (A) LENGTH: 37 amino acids  
 139 (B) TYPE: amino acid  
 140 (C) STRANDEDNESS:  
 141 (D) TOPOLOGY: unknown  
 142 (ii) MOLECULE TYPE: peptide  
 143 (iii) ENDTYPE:  
 144 (A) NAME/KEY: Modifield site  
 145 (B) LOCATION: 1  
 146 (D) OTHER INFORMATION: /note= "An amino acid selected from His,  
 Arg, or Lys. Xaa may or may not be present in the sequence."  
 147 (iv) FEATURE:  
 148 (A) NAME/KEY: Modified-site  
 149 (B) LOCATION: 1  
 150 (D) OTHER INFORMATION: /note= "An amino acid selected from His,  
 Arg, or Lys. Xaa may or may not be present in the sequence."  
 151 (ix) FEATURE:  
 152 (A) NAME/KEY: Modified-site  
 153 (B) LOCATION: 1  
 154 (D) OTHER INFORMATION: /note= "An amino acid selected from Ala,  
 Ser, Thr, Pro or Gly."  
 155 (ix) FEATURE:  
 156 (A) NAME/KEY: Modified-site  
 157 (B) LOCATION: 36  
 158 (D) OTHER INFORMATION: /note= "An amino acid selected from His,  
 Arg, or Lys. Xaa may or may not be present in the sequence."  
 159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 W--> 160 Xaa Xaa His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu  
 161 10 15  
 162 Asp Asn Leu Ala Xaa Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys  
 163 20 25 30  
 164 Ile Thr Asp Xaa Xaa  
 165 30  
 166 (2) INFORMATION FOR SEQ ID NO: 3:  
 167 (i) SEQUENCE CHARACTERISTICS:  
 168 (A) LENGTH: 33 amino acids  
 169 (B) TYPE: amino acid  
 170 (C) STRANDEDNESS:  
 171 (D) TOPOLOGY: unknown

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/042,746

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Input Set : N:\Crf3\RULE60\10042746.RAW.txt

Output Set: N:\CRF4\03212003\J042746.raw

184 (ii) MOLECULE TYPE: peptide  
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
186 His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn  
187 1 5 10 15  
188 Leu Ala Thr Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr  
189 20 25 30  
190 Asp  
191 (2) INFORMATION FOR SEQ ID NO: 4:  
192 (i) SEQUENCE CHARACTERISTICS:  
193 (A) LENGTH: 33 amino acids  
194 (B) TYPE: amino acid  
195 (C) STRANDEDNESS:  
196 (D) TOPOLOGY: unknown  
197 (ii) MOLECULE TYPE: peptide  
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
199 His Ala Asp Gly Ser Phe Ser Asp Glu Met Asn Thr Ile Leu Asp Asn  
200 1 5 10 15  
201 Leu Ala Ala Arg Asp Phe Ile Asn Trp Leu Ile Gln Thr Lys Ile Thr  
202 20 25 30  
203 Asp

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/042,746

DATE: 03/21/2003  
TIME: 14:30:59

Input Set : N:\Crf3\RULE60\10042746.RAW.txt  
Output Set: N:\CRF4\03212003\J042746.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.1,2,15,18,21,22,29,30,36,37

Seq#:2; Xaa Pos.1,2,21,36,37

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/042,746

DATE: 03/21/2003

TIME: 14:30:59

Input Set : N:\Crf3\RULE60\10042746.RAW.txt  
Output Set: N:\CRF4\03212003\J042746.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:34 M:123 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2